

Pulling our image

```
C:\Users\Asti\Desktop\ME8_Containerization_and_Docker\1-running_containers>docker images
REPOSITORY    TAG       IMAGE ID       CREATED        SIZE
ubuntu        16.04     aefd7f02ae24   2 weeks ago    134MB
```

Running our container

```
C:\Users\Asti\Desktop\ME8_Containerization_and_Docker\1-running_containers>docker run ubuntu:16.04 /bin/echo 'Hello world!'
'Hello world!'

C:\Users\Asti\Desktop\ME8_Containerization_and_Docker\1-running_containers>docker ps
CONTAINER ID   IMAGE     COMMAND   CREATED   STATUS    PORTS   NAMES
```

```
C:\Users\Asti\Desktop\ME8_Containerization_and_Docker\1-running_containers>docker ps -a
CONTAINER ID   IMAGE     COMMAND   CREATED        STATUS       PORTS   NAMES
7a252a76668a   ubuntu:16.04   "/bin/echo 'Hello wo..."   21 seconds ago   Exited (0) 20 seconds ago           laughing_chandrasekhar
```

```
C:\Users\Asti\Desktop\ME8_Containerization_and_Docker\1-running_containers>docker run ubuntu:16.04 /bin/bash

C:\Users\Asti\Desktop\ME8_Containerization_and_Docker\1-running_containers>docker ps -a
CONTAINER ID   IMAGE     COMMAND   CREATED        STATUS       PORTS   NAMES
8a04d864a797   ubuntu:16.04   "/bin/bash"   7 seconds ago   Exited (0) 5 seconds ago           sad_murdock
7a252a76668a   ubuntu:16.04   "/bin/echo 'Hello wo..."   54 seconds ago   Exited (0) 53 seconds ago           laughing_chandrasekhar

C:\Users\Asti\Desktop\ME8_Containerization_and_Docker\1-running_containers>docker run -it ubuntu:16.04 /bin/bash
root@8234a6c2c55b:/# pwd
/
root@8234a6c2c55b:/# ls
bin  boot  dev  etc  home  lib  lib64  media  mnt  opt  proc  root  run  sbin  srv  sys  tmp  usr  var
root@8234a6c2c55b:/# exit
exit

C:\Users\Asti\Desktop\ME8_Containerization_and_Docker\1-running_containers>
```

```
C:\Users\Asti\Desktop\ME8_Containerization_and_Docker\1-running_containers>docker run -d ubuntu:16.04 /bin/sleep 3600
6103ba39c2e4cb88c3fafecaa4d938ed8c2058678cfe4d61653aa7794fef6d34

C:\Users\Asti\Desktop\ME8_Containerization_and_Docker\1-running_containers>docker ps
CONTAINER ID   IMAGE     COMMAND   CREATED        STATUS       PORTS   NAMES
6103ba39c2e4   ubuntu:16.04   "/bin/sleep 3600"   3 seconds ago   Up 1 second           recursing_gould

C:\Users\Asti\Desktop\ME8_Containerization_and_Docker\1-running_containers>docker exec -it 61 /bin/bash
root@6103ba39c2e4:/# ps aux
USER         PID %CPU %MEM    VSZ   RSS TTY      STAT START   TIME COMMAND
root           1  0.1  0.0  4372   656 ?        Ss   12:41   0:00 /bin/sleep 3600
root           7  0.5  0.0  18232 3344 pts/0    Ss   12:42   0:00 /bin/bash
root          17  0.0  0.0  34420 2916 pts/0    R+   12:42   0:00 ps aux
root@6103ba39c2e4:/# exit
exit

C:\Users\Asti\Desktop\ME8_Containerization_and_Docker\1-running_containers>docker ps
CONTAINER ID   IMAGE     COMMAND   CREATED        STATUS       PORTS   NAMES
6103ba39c2e4   ubuntu:16.04   "/bin/sleep 3600"   24 seconds ago   Up 22 seconds           recursing_gould

C:\Users\Asti\Desktop\ME8_Containerization_and_Docker\1-running_containers>docker stop 61
61

C:\Users\Asti\Desktop\ME8_Containerization_and_Docker\1-running_containers>docker ps -a
CONTAINER ID   IMAGE     COMMAND   CREATED        STATUS       PORTS   NAMES
6103ba39c2e4   ubuntu:16.04   "/bin/sleep 3600"   43 seconds ago   Exited (137) 4 seconds ago           recursing_gould
8234a6c2c55b   ubuntu:16.04   "/bin/bash"         About a minute ago   Exited (0) About a minute ago           suspicious_ishizaka
8a04d864a797   ubuntu:16.04   "/bin/bash"         About a minute ago   Exited (0) About a minute ago           sad_murdock
7a252a76668a   ubuntu:16.04   "/bin/echo 'Hello wo..."   2 minutes ago     Exited (0) 2 minutes ago           laughing_chandrasekhar

C:\Users\Asti\Desktop\ME8_Containerization_and_Docker\1-running_containers>
```

Removing containers

```
C:\Users\Asti\Desktop\ME8_Containerization_and_Docker\1-running_containers>docker ps -a
CONTAINER ID   IMAGE          COMMAND                  CREATED        STATUS        PORTS          NAMES
6103ba39c2e4   ubuntu:16.04   "/bin/sleep 3600"       About a minute ago    Exited (137) 28 seconds ago
8234a6c2c55b   ubuntu:16.04   "/bin/bash"            About a minute ago    Exited (0) About a minute ago
8a04d864a797   ubuntu:16.04   "/bin/bash"            2 minutes ago        Exited (0) 2 minutes ago
7a252a76668a   ubuntu:16.04   "/bin/echo 'Hello wo..." 3 minutes ago        Exited (0) 3 minutes ago
laughing_chandrasekhar

C:\Users\Asti\Desktop\ME8_Containerization_and_Docker\1-running_containers>docker container prune
WARNING! This will remove all stopped containers.
Are you sure you want to continue? [y/N] y
Deleted Containers:
6103ba39c2e4cb88c3fafecaa4d938ed8c2058678cfe4d61653aa7794fef6d34
8234a6c2c55b65a0a275d46cf59efe8741740b2d404c5995b26d378522231e97
8a04d864a797daa28af0a286a8c4a295b6d4b25dce020c3ea5b98f0a905bcd07
7a252a76668ab46970f59e45146740669e674d7341d58b9b1fef5d07c07b57a8

Total reclaimed space: 248

C:\Users\Asti\Desktop\ME8_Containerization_and_Docker\1-running_containers>docker ps -a
CONTAINER ID   IMAGE          COMMAND                  CREATED        STATUS        PORTS          NAMES

C:\Users\Asti\Desktop\ME8_Containerization_and_Docker\1-running_containers>docker run --rm ubuntu:16.04 /bin/echo "Hello and goodbye!"
Hello and goodbye!

C:\Users\Asti\Desktop\ME8_Containerization_and_Docker\1-running_containers>docker ps -a
CONTAINER ID   IMAGE          COMMAND                  CREATED        STATUS        PORTS          NAMES

C:\Users\Asti\Desktop\ME8_Containerization_and_Docker\1-running_containers>_
```